USER MANUAL

26” FHD 1920 x 1080 LCD

iAP-2600W

Aluminum front bezel

iNAP-2600W

Front NEMA4/IP65

iOP-2600W

Universal Mounting Open Frame

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Before Installation

- It is very important to mount the equipment in a suitable cabinet or on a stable surface.
- Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

How To Clean Your LCD Monitor

Caution :

- To avoid the risk of electric shock, make sure your hands are dry before unplugging your monitor from or plugging your monitor into an electrical outlet.
- When you clean your monitor, do not press down on the LCD screen. Pressing down on the screen can scratch or damage your display. Pressure damage is not covered under warranty.
- Use only cleansers made specifically for cleaning monitors and monitor screens. Cleansers not made to clean monitors and monitor screens can scratch the LCD display or strip off the finish.
- Do not spray any kind of liquid directly onto the screen or case of your monitor. Spraying liquids directly onto the screen or case can cause damage which is not covered under warranty.
- Do not use paper towels or abrasive pads to clean your monitor. Using an abrasive pad or any wood based paper product such as paper towels can scratch your LCD screen.

Cleaning Your Monitor

To clean your LCD safely, please follow these steps :

1 Disconnect the power cord.

2 Gently wipe the surface using a clean, dry microfiber cloth. Use as little pressure as possible.

Cleaning Tough Marks and Smudges

To remove tough marks and smudges, please follow these steps

1 Disconnect the power cord.

2 Spray a small amount of non-abrasive cleanser on a microfiber cloth.

Caution : Do not spray or apply any liquids directly onto the monitor. Always apply the solution to your microfiber cloth fi rst, not directly on the parts you are cleaning.

3 Gently wipe the surface. Use as little pressure as possible.

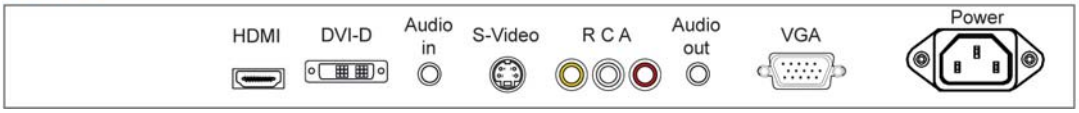
4 Wait until your monitor is completely dry before plugging it in and powering it up.

<Part 1 >
< 1.1 > Package Content - iAP/iNAP-2600W

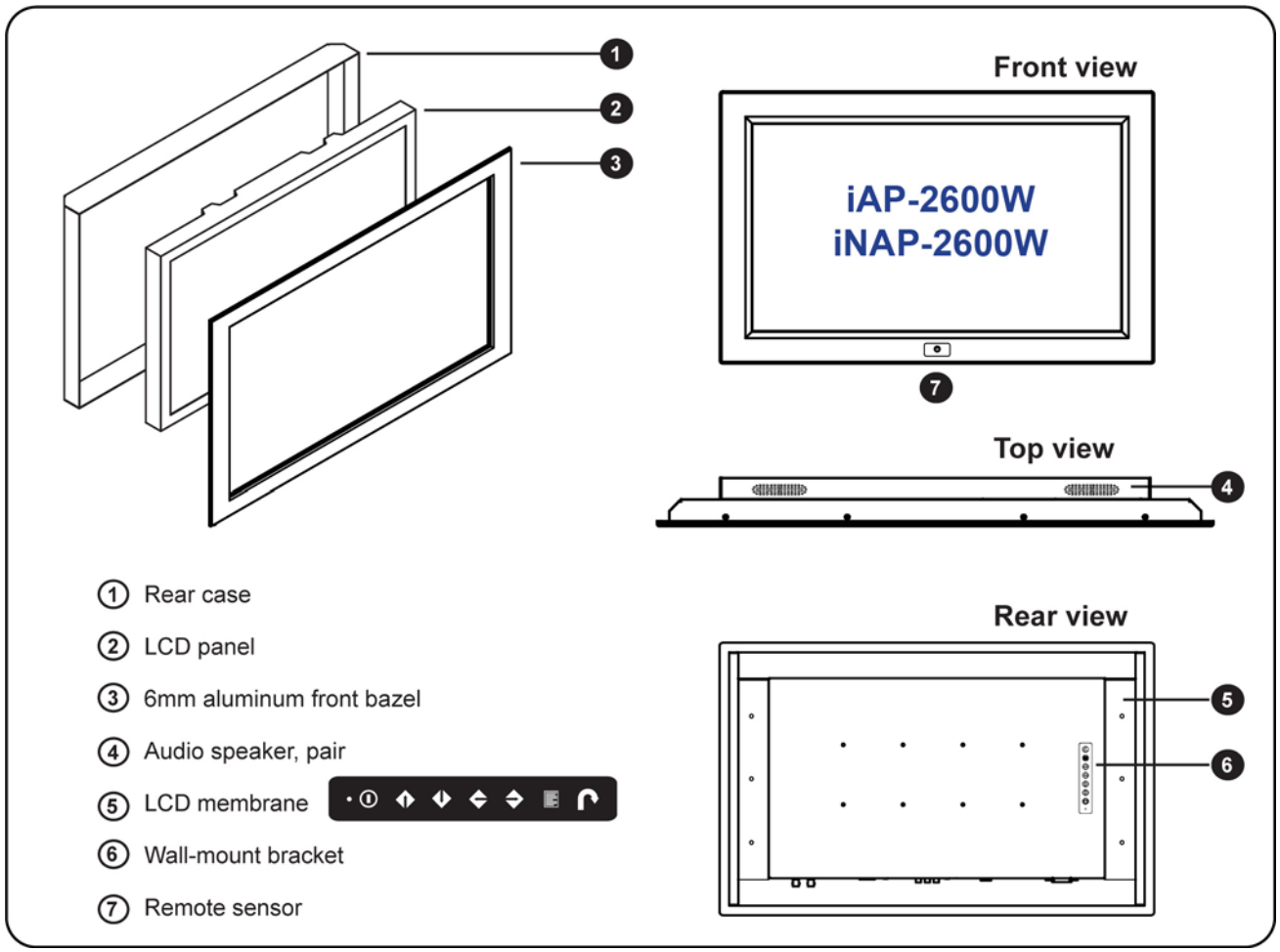
iAP-2600W / iNAP-2600W

- 26” FHD LCD display X 1
- 6ft VGA cable X 1
- Power cord X 1
- Remote controller X 1
- Wall-mount bracket set X 1

Basic I/O



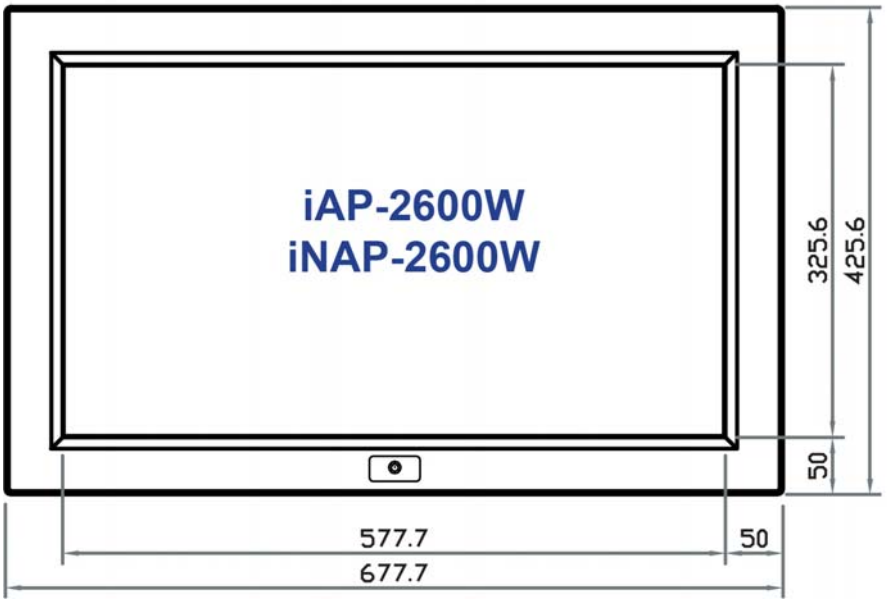
< 1.2 > Structure Diagram – iAP/iNAP-2600W



Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
iAP-2600W	677.7 x 65 x 425.6 mm 26.7 x 2.6 x 16.8 inch	768 x 172 x 524 mm 30.2 x 6.8 x 20.6 inch	12.5 kg 27.5 lbs	16 kg 35.2 lbs
iNAP-2600W	677.7 x 65 x 425.6 mm 26.7 x 2.6 x 16.8 inch	768 x 172 x 524 mm 30.2 x 6.8 x 20.6 inch	15 kg 33 lbs	18 kg 39.6 lbs

< 1.2 > Dimension – iAP/iNAP-2600W

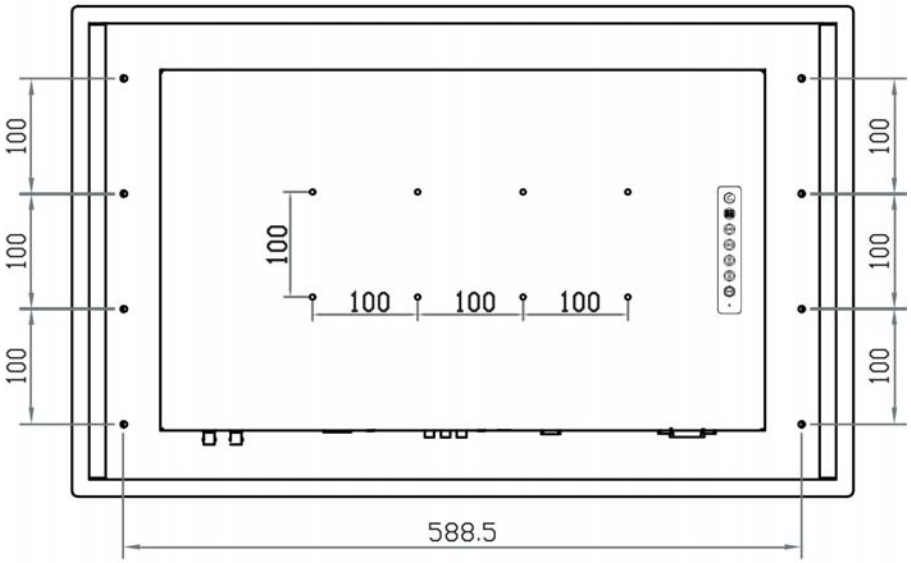
Front View



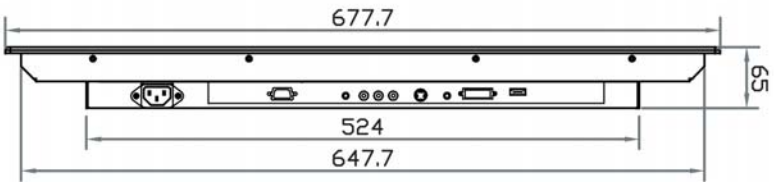
Side View

UNIT : mm
1mm = 0.03937 inch

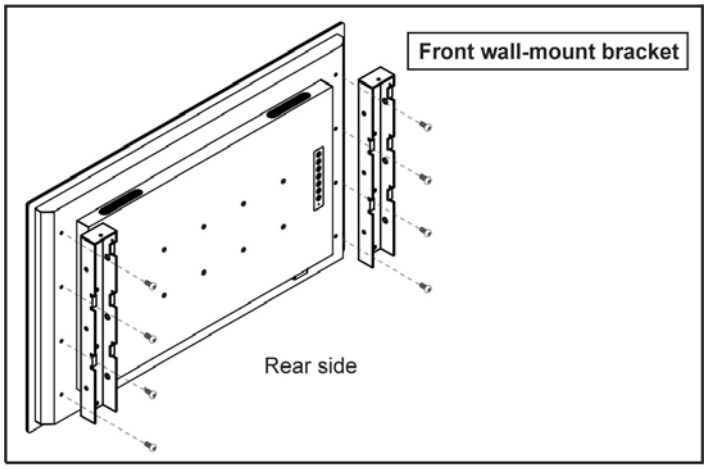
Rear View



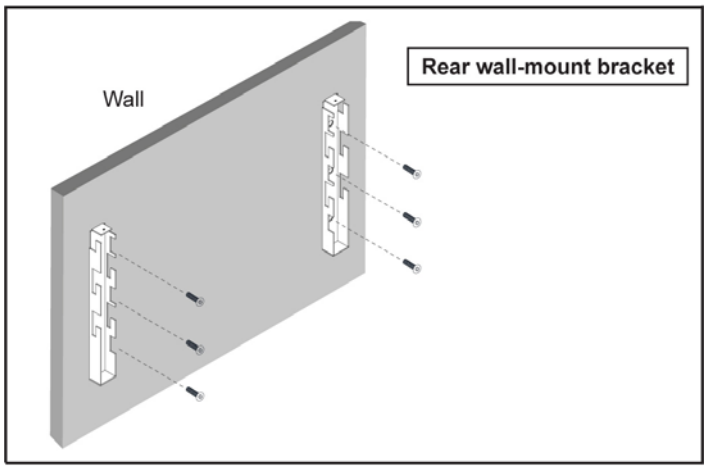
Bottom View



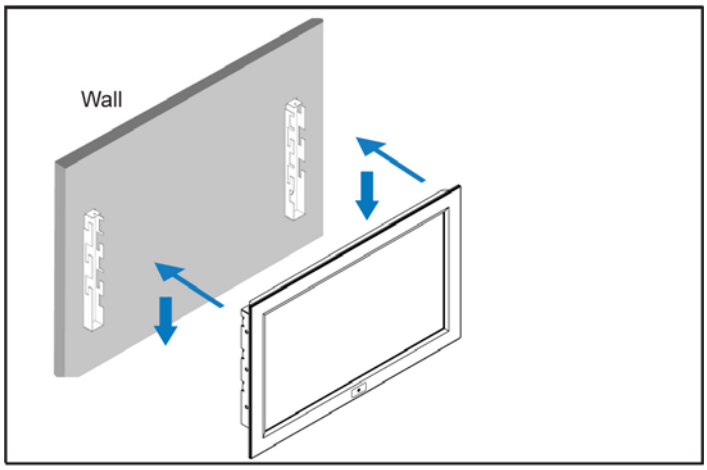
< 1.3 > Wall-mount Installation - iAP / iNAP-2600W



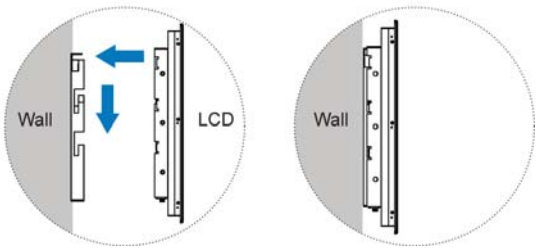
Step 1
■ Install left & right front wall-mount brackets at the rear side of the LCD shown above.
■ M5 screw x 8 pcs included (Left & right side).



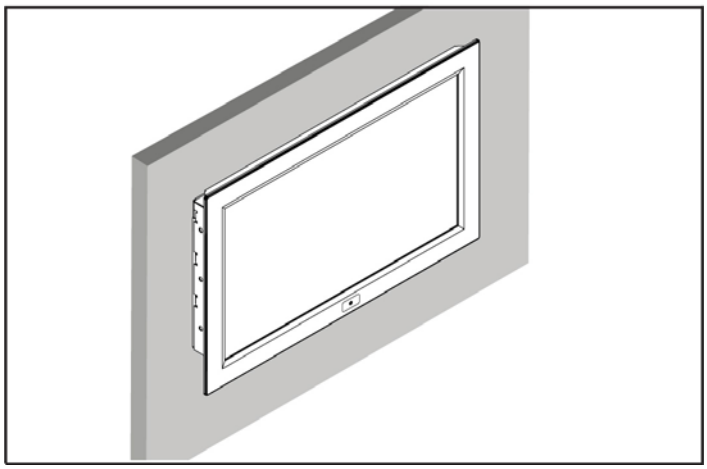
Step 2
■ Install left & right rear wall-mount brackets on the wall shown above.
■ 6 x M10 screws required (Left & right side)
M10 screw sets are not provided.



Step 3

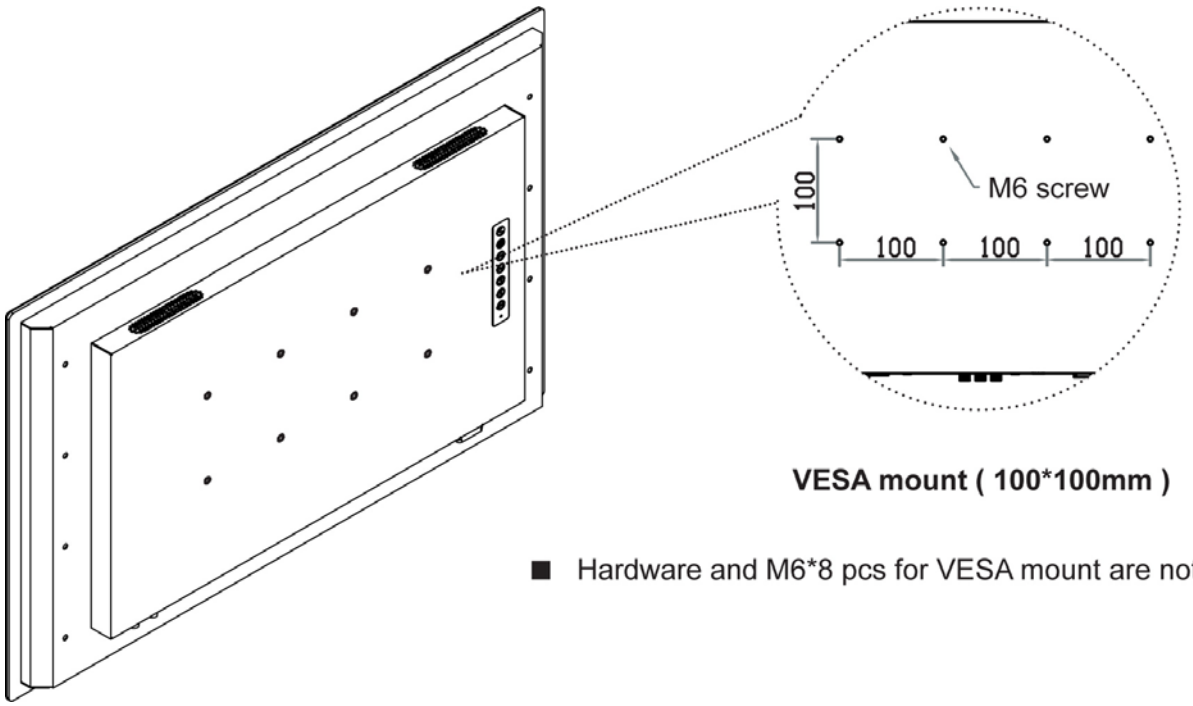


■ Attach the LCD to the rear wall-mount bracketson the wall..



Step 4
Installation Completed.

< 1.3 > VESA mount Installation – iAP/iNAP-2600W



VESA mount (100*100mm)

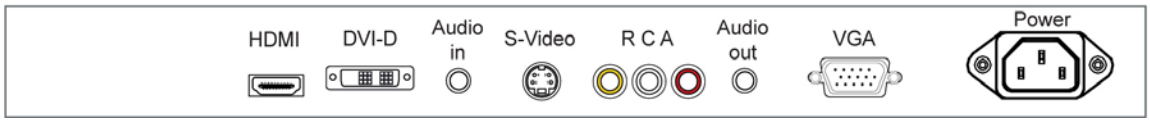
■ Hardware and M6*8 pcs for VESA mount are not provided

<Part 2 >
<2.1 > Package Content - iOP-2600W

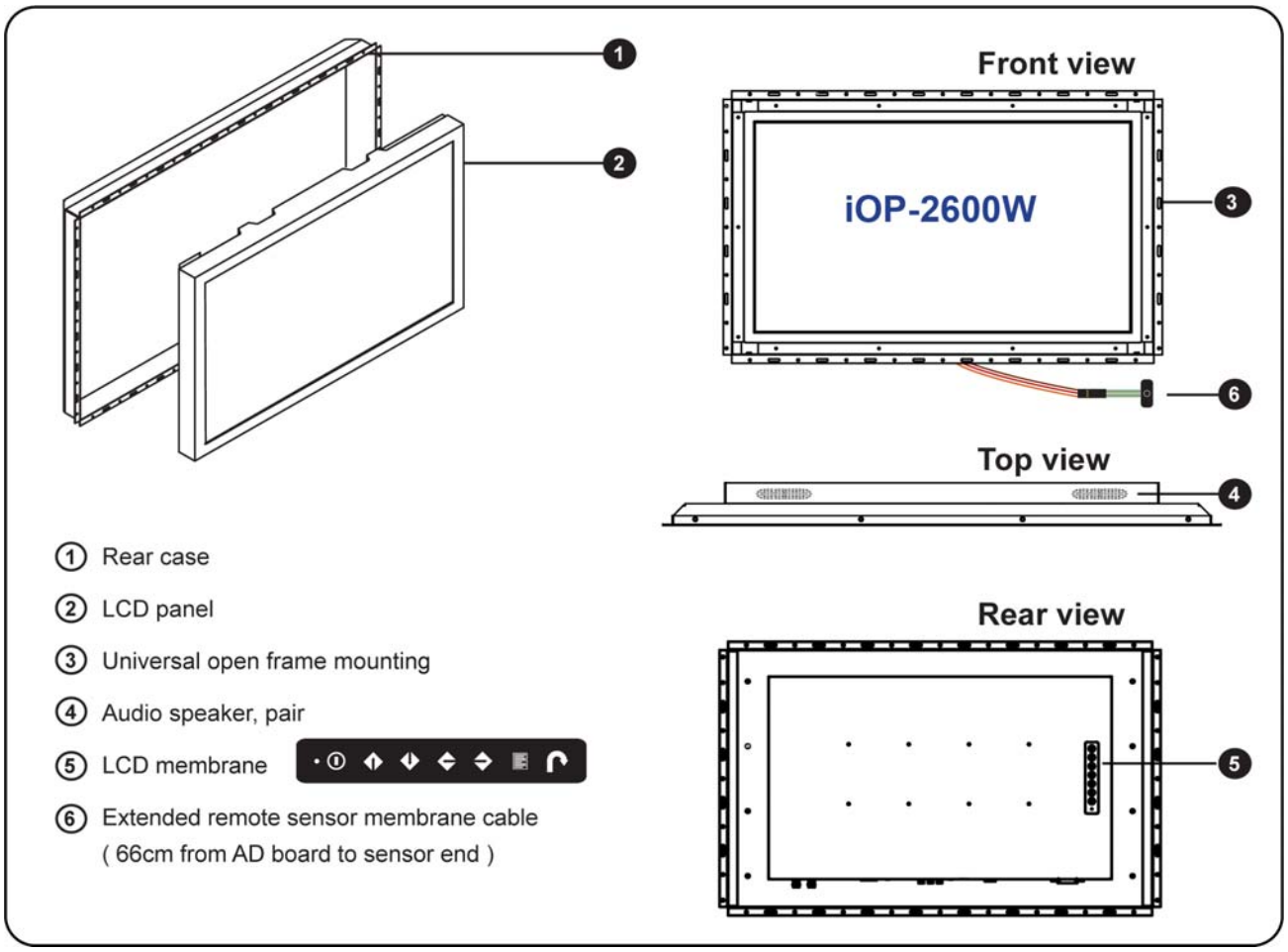
iOP-2600W

26” FHD LCD display X 1
6ft VGA cable X 1
Power cord X 1
Remote controller X 1

Basic I/O



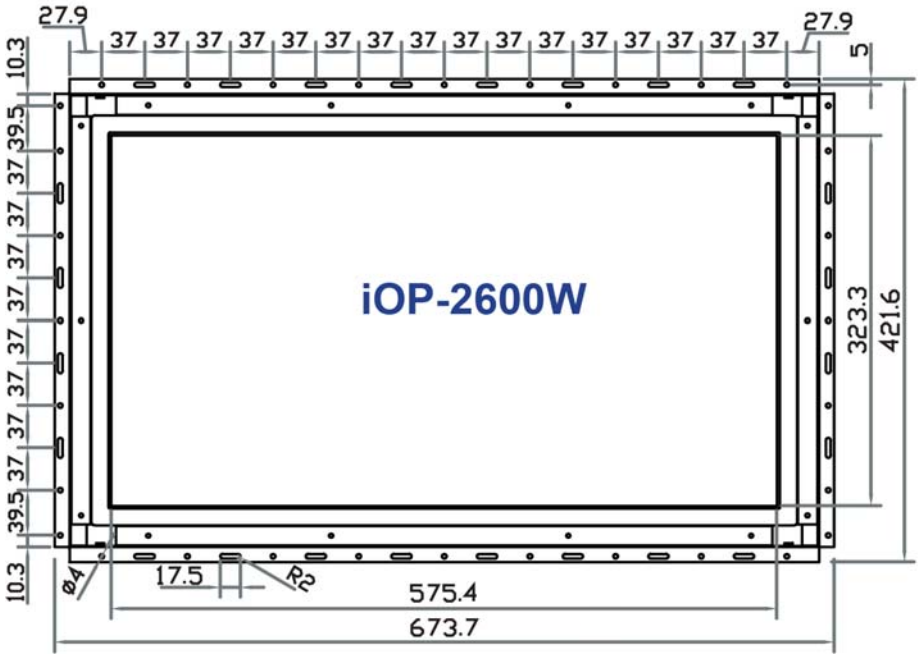
< 2.2 > Structure Diagram –iOP-2600W



Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
OP-W26	673.7 x 52 x 421.6 mm 26.5 x 2 x 16.6 inch	768 x 172 x 524 mm 30.2 x 6.8 x 20.6 inch	10 kg 22 lbs	14 kg 30.8 lbs

< 2.3 > Dimension

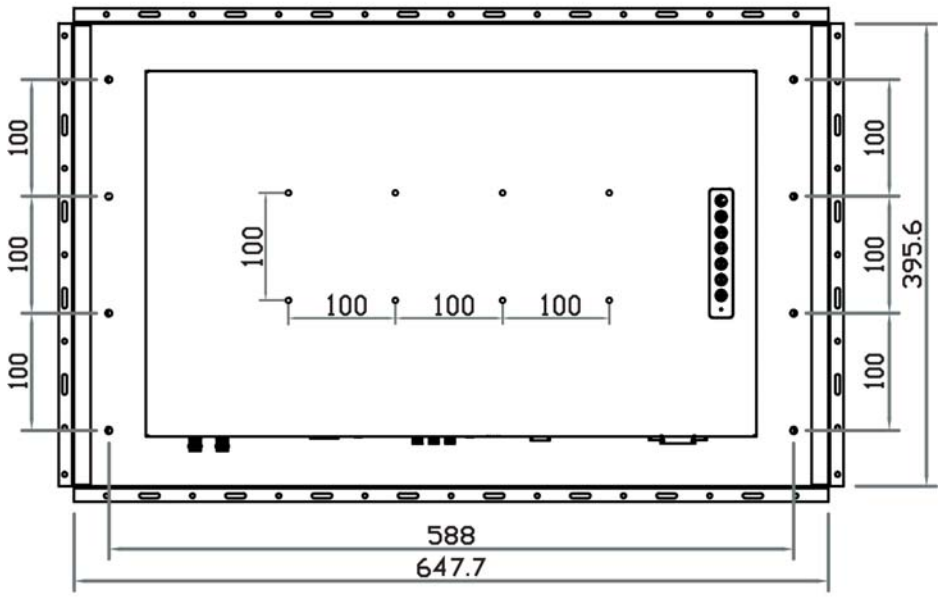
Front View



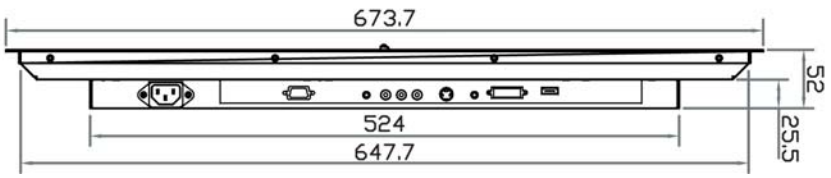
Side View

UNIT : mm
1mm = 0.03937 inch

Rear View

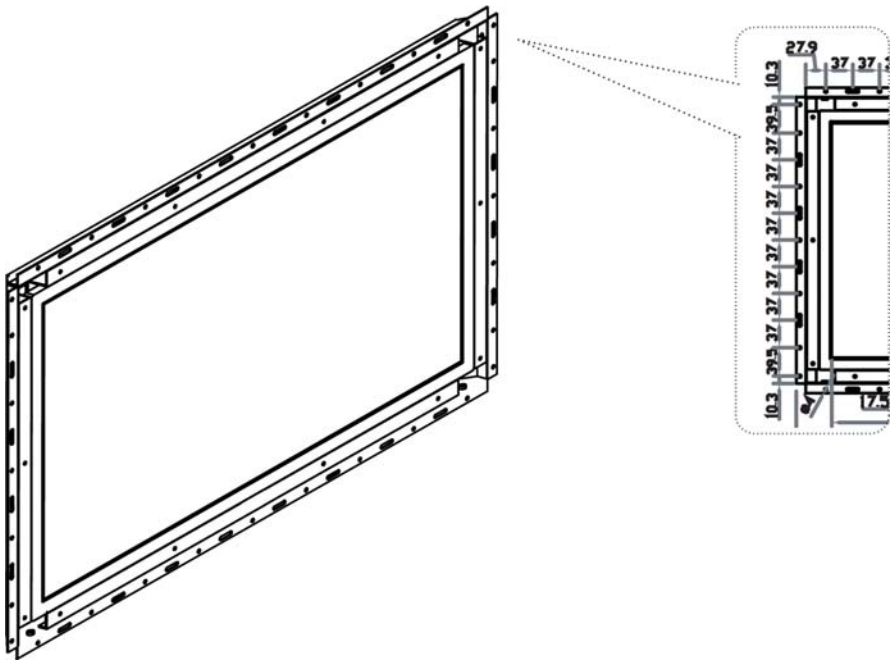


Bottom View

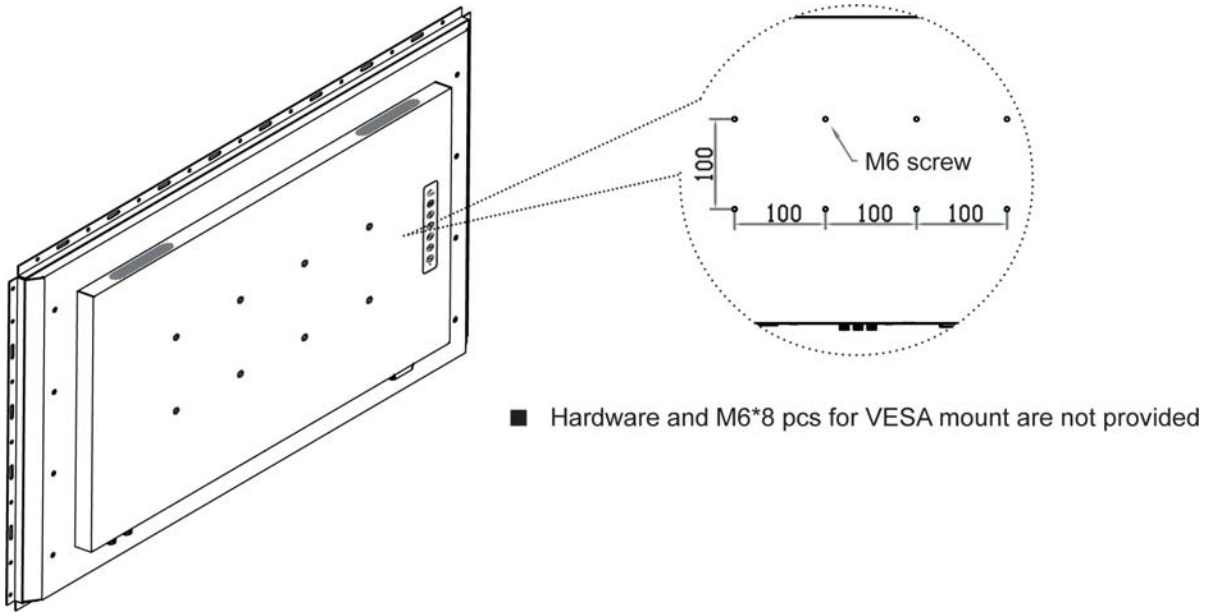


< 2.3 > Installation - iOP- W2150

(I) Universal mount



(II) VESA mount (100*100mm)



■ Hardware and M6*8 pcs for VESA mount are not provided

<Part 3 >
<3.1 > Product Specifications

		iAP / iNAP- 2600W	iOP- 2600W
Mechanical Design	Front Panel	Black, RAL 9005	-
	Rear Casing	Dark grey, RAL 7037	Dark grey, RAL 7037
	VESA Mounting	100 x 100mm	100 x 100mm
	Other Mounting	Panel mount	Universal mount
	Protection	3mm protective glass	-

LCD Panel	Manufacturer	**LG**
	Panel Size (diagonal)	26-inch Widescreen TFT color LCD
	Display pixel (dots x lines)	1920 x 1080
	Brightness (typ.)	350
	Contrast Ratio (typ.)	1000:1
	Color	16.7 M
	Viewing Angle (L/R/U/D)	89/89/89/89
	Response Time (ms)	9
	Dot pitch (mm)	0.3
	Display Area (mm)	576.0H x 324.0V
	Surface treatment	Anti-glare, Hard-coating
	Surface hardness	3H
	Backlight Type	LED
	MTBF (hrs)	50,000

Video Connectivity	Digital	HDMI	HDMI 1.1, CEA-861-D
		DVI	DVI-D, TMDS single link
	Analog	VGA	Analog 0.7Vp-p
		Composite (RCA)	NTSC & PAL
		S-Video (4-pin)	NTSC & PAL
	Plug & Play	DVI / VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

Audio Connectivity	Audio Input	Connector	3.5mm stereo jack
		Impedance / Power level	30kΩ / 750mV
	Audio Output	Connector	3.5mm stereo jack
		Resistance / Power level	30kΩ/ 2.8V
	Speaker Output	Power	2 x 2W

Power	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
	Power Consumption	Screen display ON	44W or less
		Power saving mode	9W or less
		Power button OFF	2W or less

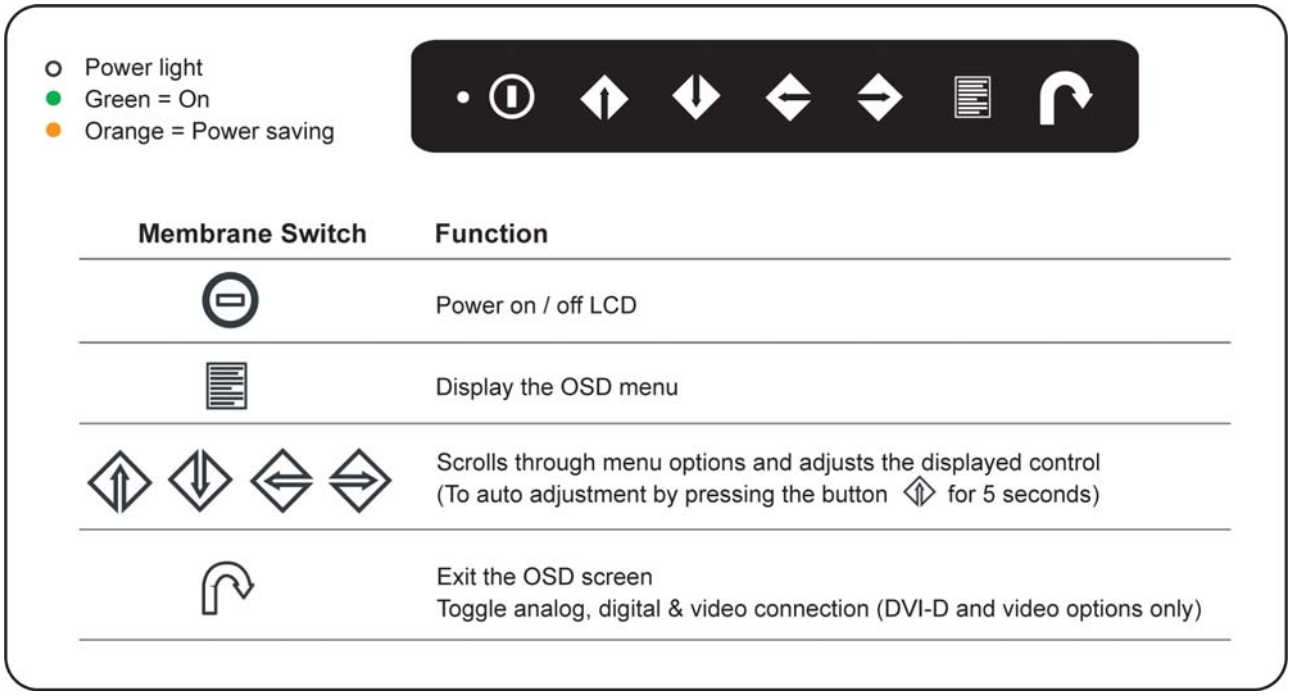
Regulatory	Safety Approval	FCC & CE

Environmental Conditions	Operating	Temperature	0 to 50°C degree
		Humidity	20~90%, non-condensing
	Storage	Temperature	-5 to 60°C degree
		Humidity	5~90%, non-condensing
		Shock	10G acceleration (11ms duration)
		Vibration	5~500Hz 1G RMS random

		iAP-2600W	**iNAP-2600W**	**iOP-2600W**
Physical Specification	Product (W x D x H) mm	677.7 x 65 x 425.6	677.7 x 65 x 425.6	673.7 x 52 x 421.6
	inch	26.7 x 2.6 x 16.8	26.7 x 2.6 x 16.8	26.5 x 2 x 16.6
	Packing (W x D x H) mm	768 x 172 x 524	768 x 172 x 524	768 x 172 x 524
	inch	30.2 x 6.8 x 20.6	30.2 x 6.8 x 20.6	30.2 x 6.8 x 20.6
	Net Weight	12.5 kgs / 27.5 lbs	15 kgs / 33 lbs	10 kgs / 22 lbs
	Gross Weight	16 kgs / 35.2 lbs	18 kgs / 39.6 lbs	14 kgs / 30.8 lbs

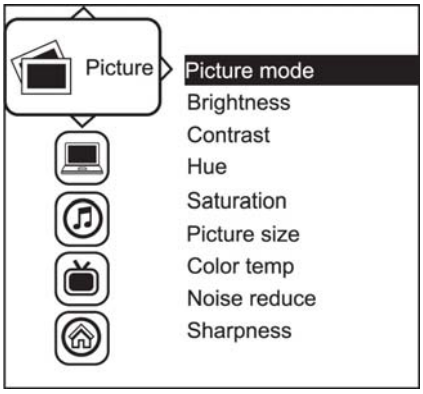
Applicable Format	DVI-D / VGA Input	PC Signal	1920 x 1080 x 60Hz
			1360 x 768 x 60Hz
			1280 x 1024 x 60 / 75Hz
			1280 x 960 x 60Hz
			1280 x 768 x 60 / 75Hz
			1152 x 864 x 75Hz
			1024 x 768 x 60 / 70 / 75Hz
			848 x 480 x 60Hz
			800 x 600 x 60 / 72 / 75Hz
			720 x 400 x 70Hz
			640 x 480 x 60 / 72 / 75Hz
			640 x 400 x 70Hz
			640 x 350 x 70Hz
	HDMI Input	PC Signal	Same as VGA
		Video Signal	720p : 50 / 60Hz
			480p : 60Hz
			576p : 50Hz
		Audio Signal	2ch Linear PCM (32 / 44.1 / 48 KHz)
	Composite / S-Video Input	NTSC	525 lines, 60 fields / sec
		PAL	625 lines, 50 fields / sec

< 3.2 > On-screen Display Operation (OSD)


Power light
Green = On
Orange = Power saving
Membrane Switch
Function
Power on / off LCD
Display the OSD menu
Scrolls through menu options and adjusts the displayed control
(To auto adjustment by pressing the button for 5 seconds)
Exit the OSD screen
Toggle analog, digital & video connection (DVI-D and video options only)

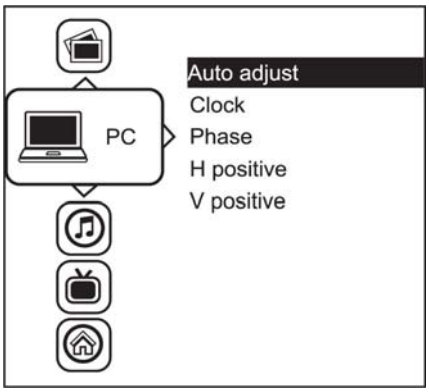
1 Picture

Picture mode : Standard / Vivid / Soft / User mode to choose
Brightness : Adjust background black level of the screen image
Contrast : Adjust the difference between the image background (black level) and the foreground (white level)
Hue: Adjust the screen hue value
Saturation : Adjust the saturation of the image color
Picture size : Adjust the image size
Color temp : Standard / Cool / Warm / User to choose
Noise reduce : Reduce the noise of the image
Sharpness : Adjust the image from weak to sharp



2 PC

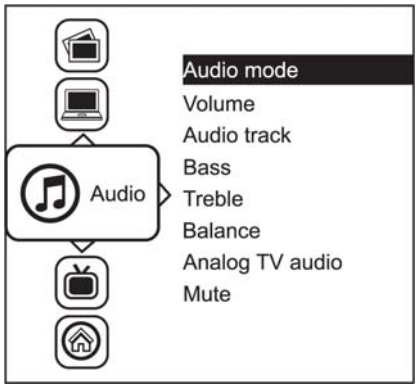
Auto adjust : Automatically adjust sizes, centers and fi ne tunes the video signal to eliminate waviness and distortion.
Clock : Adjust the clock value
Phase : Adjust the phase value
H. Position : Align the screen image left or right
V. Position : Align the screen image up or down



< 3.2 > On-screen Display Operation (OSD)

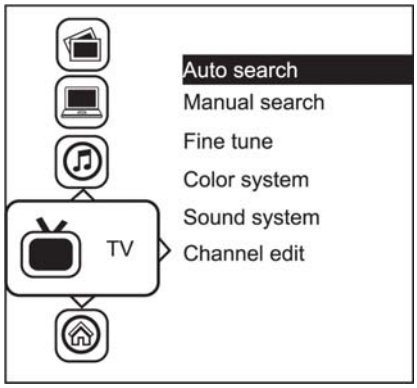
3 Audio

Audio mode :	Movie / Voice / Normal / Music mode to choose
Volume :	Adjust the volume of sound
Bass :	Set the value of bass sound
Treble :	Set the value of treble sound
Balance :	Set the balance value of treble and bass sound
Analog TV audio :	Set the value of analog TV audio sound
Mute :	Turn off the surrounding sound



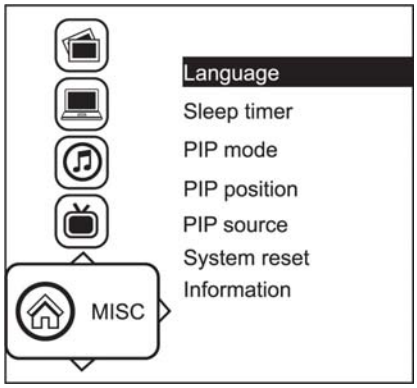
4. TV

Language :	Select the language in which the OSD menu is displayed - English
Sleep timer :	Set the off time
PIP mode :	Adjust picture in picture setting
PIP position :	Enter into PIP position
PIP source :	Enter into the Sub source and sound source
System reset :	Return the adjustment back to factory setting
Information :	Select for Help



5 MISC

Language :	Select the language in which the OSD menu is displayed - English
Sleep timer :	Set the off time
PIP mode :	Adjust picture in picture setting
PIP position :	Enter into PIP position
PIP source :	Enter into the Sub source and sound source
System reset :	Return the adjustment back to factory setting
Information :	Select for Help



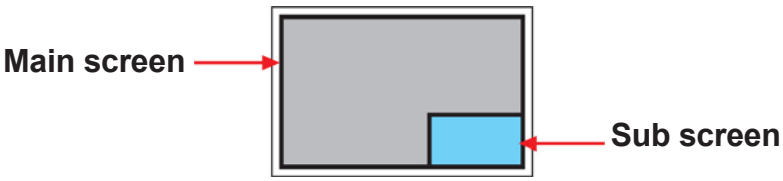
< 3.3 > How to Use Picture In Picture (PIP) / Picture By Picture (PBP)

< 3.3.1 > Picture in Picture (PIP)

Mode

Display the Sub screen in the Main screen.

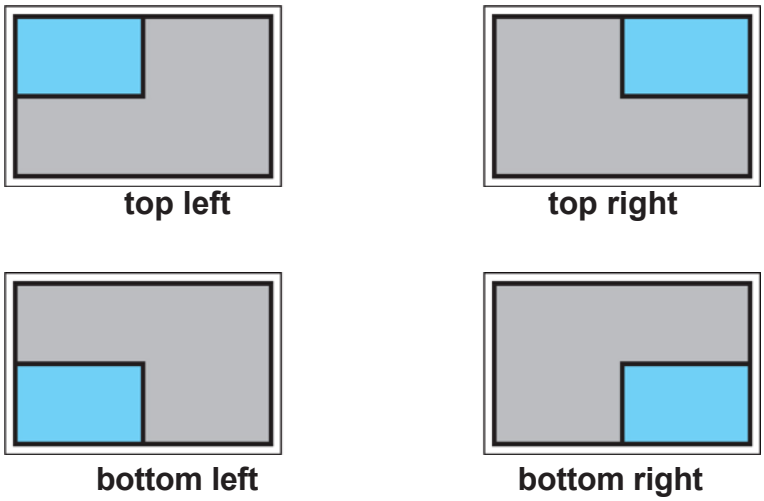
OSD Menu → MISC → PIP Mode → Large / Small / OFF



Position

Adjust the position of the Sub screen (top left, bottom left, top right, bottom right)

OSD Menu → MISC → PIP Position → top left / top right / bottom left / bottom right



Size

Adjust the size of the Sub screen (Large / Small) OSD

Menu → MISC → PIP Mode → Large / Small

Size of Sub screen

LCD Monitor	Large Sub screen	Small Sub screen
1920x1200	552x414	480x360
1920x1080	552x414	480x360
1440x900	414x310	360x270
1366x768	392x294	340x254
1280x1024	368x276	320x240

< 3.3.2 > Picture By Picture (PBP)

Mode

Display the Sub screen next to the Main screen. OSD Menu → MISC → PIP Mode → PBP

Size

LCD Monitor	Main / Sub screen
1920 x 1200	955 x 716
1920 x 1080	955 x 716
1440 x 900	715 x 536
1366 x 768	678 x 508
1280 x 1024	635 x 476

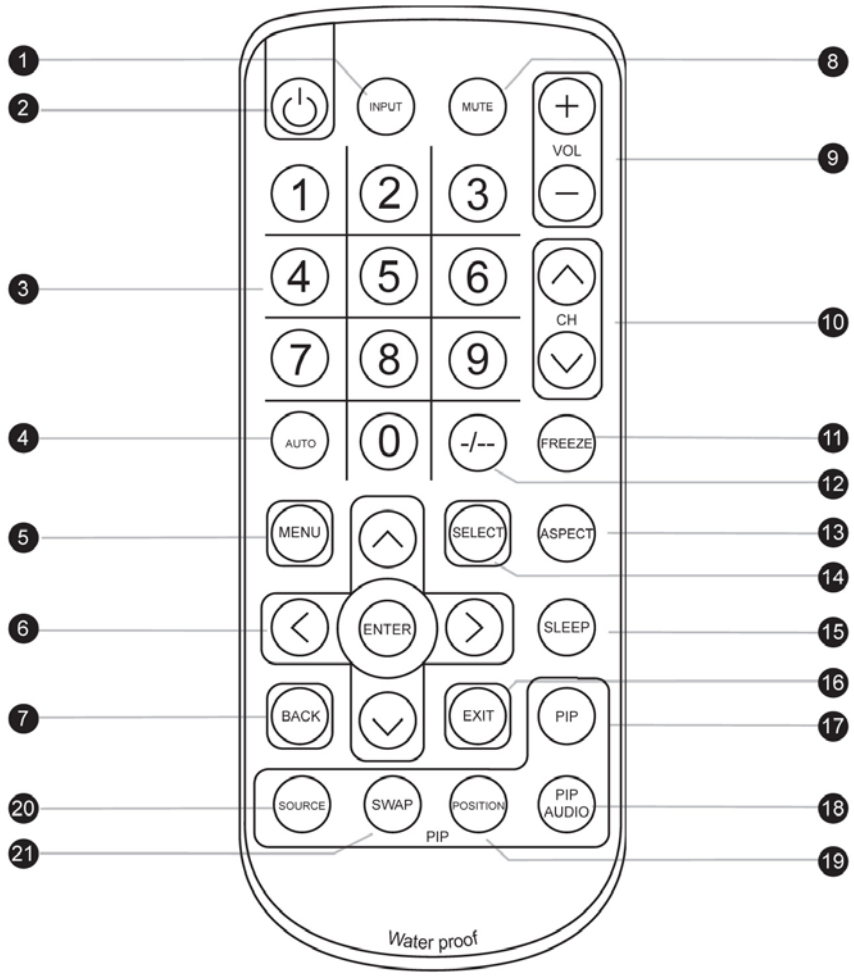
< 3.3.3 > PIP / PBP Source

To select an input signal for PIP / PBP Sub screen.
OSD Menu → MISC → PIP Source → VGA / S-Video / Composite / DVI / HDMI / SDI / YPbPr / TV

The PIP / PBP is operable in the following table :

Main / Sub	VGA	S-Video	Composite	DVI-D	HDMI	SDI	YPbPr	TV
VGA	X	O	O	O	O	O	O	O
S-Video	O	X	X	O	O	O	O	X
Composit	O	X	X	O	O	O	O	X
DVI	O	O	O	X	X	O	O	O
HDMI	O	O	O	X	X	O	O	O
SDI	O	O	O	O	O	X	X	O
YPbPr	O	O	O	O	O	X	X	O
TV	O	X	X	O	O	O	O	X

< 3.4 > Remote Controller (RC-2)



①	**INPUT**	Select the source
②	⏻	Switches on or off the TV
③	**0 - 9**	Only use in TV mode. Select channels. For channel numbers 10 and above, enter the second digit within two seconds.
④	**AUTO**	Auto adjust
⑤	**MENU**	Display the menu on the screen or go to the previous menu
⑥	**▲ / ▼ / ◄ / ► / ENTER**	Go to the upper menu or select the previous value / Go to the next menu or select the next value / Decrease the setting value / Increase the setting value or enter to the select item setting Enter to the select item settings or excude the setting
⑦	**BACK**	Back to previous value
⑧	**MUTE**	Turn on or off the speaker
⑨	**Vol + / -**	Increase or decrease the speaker volume
⑩	**CH + / -**	For TV model only, increase or decrease the channel number
⑪	**FREEZE**	Reserve for OEM model
⑫	**- / --**	For setting input single or double digits
⑬	**ASPECT**	Adjust the screen size
⑭	**SELECT**	To select the existing item
⑮	**SLEEP**	Select the sleeping time
⑯	**EXIT**	Exit the menu or cancel

	PIP functions	
⑰	**PIP**	Picture in picture
⑱	**PIP AUDIO**	To set the audio of in PIP mode
⑲	**POSITION**	To set the screen position in PIP mode
⑳	**SOURCE**	PIP Source
㉑	**SWAP**	Swap screen in PIP mode

< Part 4 > Options

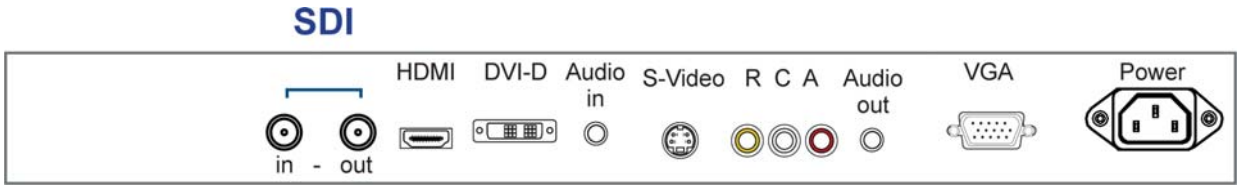
< 4.1 > Option Table

Options	iAP / iNAP	iOP
SDI	√	√
Touchscreen	√	√
MCS multi-display control	√	√
DC Power	√	√
MIL-type / lockable connector	√	√
TV	√	√

< 4.2 > Options : 3G / HD / SD-SDI input

ITech' SDI input is an ideal solution for the broadcast-grade video and high resolution CCTV market.

Designed for use with NetView Full HD 1080p and ultra high resolution 1920 x 1200 LCD displays, ITech provides a SDI input module without using additional space or power and it comes standard with a 2-year warranty.



INPUT	3G-SDI IN	BNC x 1 / 0.8Vp-p (75 ohm)
	3G-SDI OUT	BNC x 1 / Active through, equalized & relocked
Standard Compliance	Video	SMPTE 425M / 274M / 296M / 125M ITU-R BT.656
	Audio	SMPTE 299M / 272M-C
Compatible Video Format	3G-SDI	1080p @60 / 50Hz, 4:2:2 1080p @30 / 25 / 24Hz, 4:4:4 1080i @60 / 50Hz, 4:4:4 720p @60 / 50Hz, 4:4:4
	HD-SDI	1080p @30 / 25 / 24Hz, 4:2:2 1080i @60 / 50Hz, 4:2:2 720p @60 / 50Hz, 4:2:2
	SD-SDI	480i @60Hz, 4:2:2
	ITU-R BT.656	576i @50Hz, 4:2:2
Compatible Audio Format	3G-SDI	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized Video
	HD-SDI	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized Video
	SD-SDI	48kHz, 16 / 20 / 24 bit, 2 CH, Synchronized / Asynchronized Video
Max. Transmission Distance 75 ohm coaxial cable	3G-SDI	150m at 2.97Gb/s
	HD-SDI	250m at 1.485Gb/s
	SD-SDI	480m at 270Mb/s

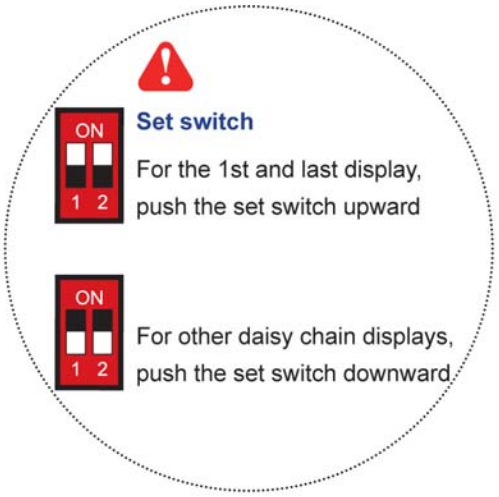
< 4.3 > Options : MCS
(Multi-display Control)

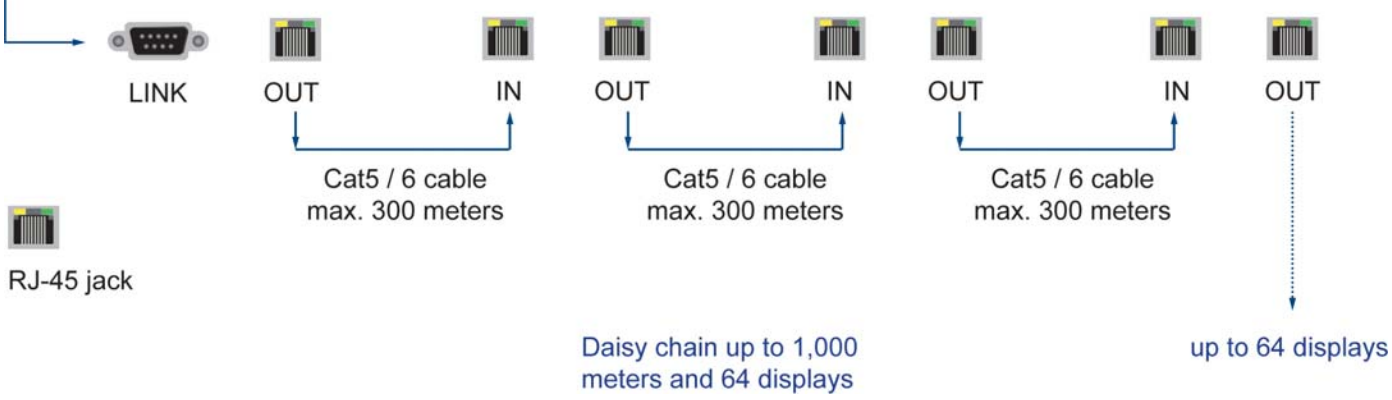
More control is always good. Especially when it is necessary and easy. ITech provides MCS solution to control the **OSD** of various NetView LCD display up to 64 units.

The RS-232C is used for the communication between the PC and the fi rst display via a 15 feet serial cable while the CAN bus is used for the various LCD displays cascade together via CAT 5/6 cable, and daisy chain up to 1,000 meters.

Designed for use with NetView LCD displays, ITech provides a MCS input module without using additional space or power and it comes standard with a 2-year warranty.

15 feet serial cable
(over 15 feet, extender required)


ON
1 2
Set switch
For the 1st and last display, push the set switch upward
ON
1 2
For other daisy chain displays, push the set switch downward.

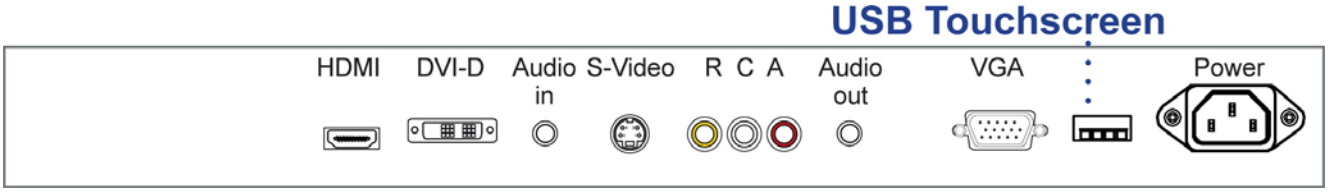


< 4.4 > Options : Touchscreen & driver

26” USB Touchscreen Specification

Model	**TRB** e-Resistive	**TCB** e-Capacitive
Technology	5-Wire Resistive	Capacitive
Touch Point	Single	Single
Method	Stylus or Finger	Finger
Activation Force	**<** 50g / Stylus=R0.8	**<** 50g
Durability	10 million touches	300 million touches
Response Time	15 ms	20 ms
Optical Transmittance	80% ± 3%	87% ±2%
Surface Hardness	3H	9H
Haze	8% ± 3%	7%
Glass	3.2 ±0.2 mm	2.8 mm ±10%
Connector	USB Type A	
Compatibility	Windows 7 / XP / Vista, Linux	

USB touchscreen package includes 1 x 6ft USB cable, quick reference guideline and CD disc
For detailed information, please refer to the attached CD disc
As the touchscreen unit is not made of toughened glass, please handle it carefully



Please follow the below steps to setup the touch screen:-

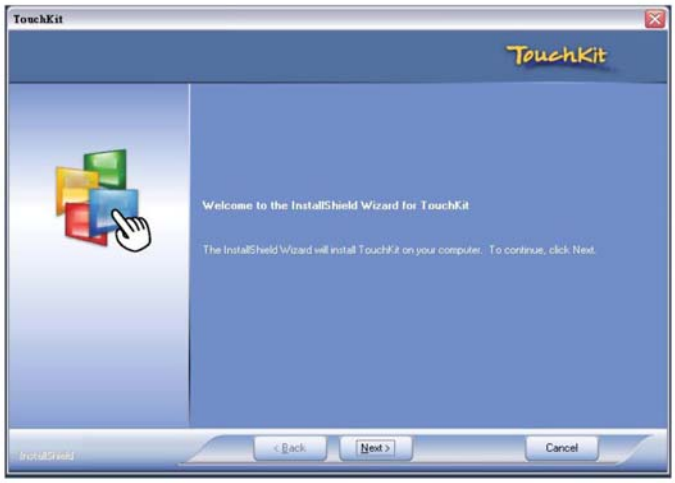
Step 1. Run the bundled CD disc

Step 2. Double click the Setup.exe

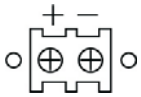
Step 3. Follow the installation instruction to finish the setup

Step 4. After installation, run the TouchKit program & the “4 point calibration”

Please do the initial calibration after the first setup


TouchKit
TouchKit
Welcome to the InstallShield Wizard for TouchKit
The InstallShield Wizard will install TouchKit on your computer. To continue, click Next.
< Back
Next >
Cancel

< 4.5 > Options : DC Power



Model	24V	48V
Input rating		
Input voltage:	24-Volt	48-Volt
Input range:	18 ~ 36V	36 ~ 75V
Input current		
- No load	180 mA	90 mA
- Full load	8396 mA	4198 mA
Output rating		
Output voltage:	24-Volt	48-Volt
Output current:	9.0A	9.0A
Efficiency	88%	89%

< 4.6 > Options : MIL-type or Lockable Connector

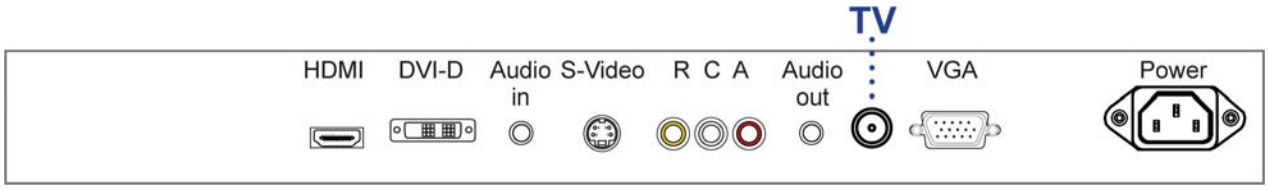
	Input	Part no.	MIL Standard
MIL - type Connector	DC Power *** (Male)	MS3470W8-33P	MIL - DTL - 26482
	VGA *** (Male)	MS3470W14-15P	MIL - DTL - 26482

*** There are several additional MIL DC and VGA connector types with varying design characteristics to meet cost considerations and to provide users with the most design flexibility possible. For more information, please contact us.

	Input	Part no.	Standard
Lockable Connector	DC Power (Male)	YM-Ext-461CP001	D-type 3W3
	USB	LUSB - A111 - 00	-

*** MIL - type or Lockable connectors above can be integrated with our LCD displays. Sale service just for connectors not provided.

< 4.7 > Options : TV (Analog)



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For RC-2 remote controller specifi cations, please refer to P.16